Unit 2 Day 2 WS Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ per \_\_\_\_

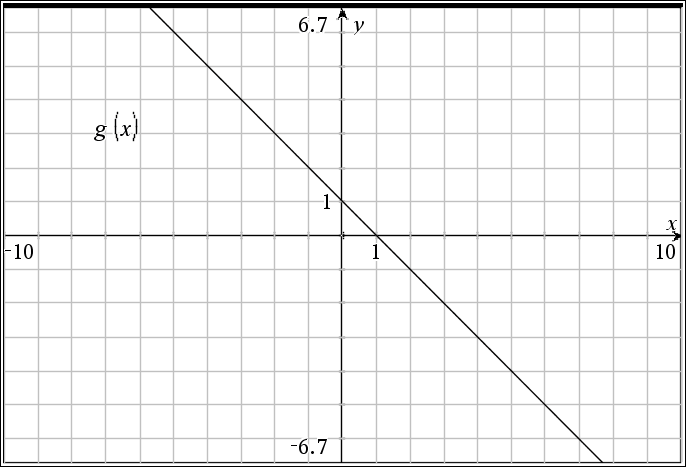
Use the following functions to answer questions 1-8.

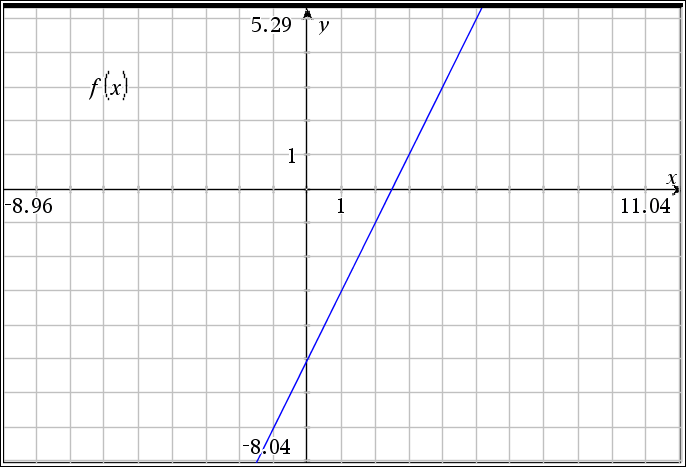
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| x | -2 | 0 | 2 | 3 | 8 |
| h(x) | -1/4 | -1/2 | DNE | 1 | 1/6 |

f(x) = x + 3 g(x) = x2 – 1 j(x)=

1. (f+g)(3) 2. f(0)/h(0) 3. g(2)-j(2) 4. (f

5. (g-h)(-2) 6. f(8) + j(8) 7. (fg)(x+1) 8. (f+g)(t2)

Using the following graphs to answer questions 9-12.



9. (f+g)(-2) 10. (f/g)(0) 11. f(2) – g(2) 12. f(4)g(4)

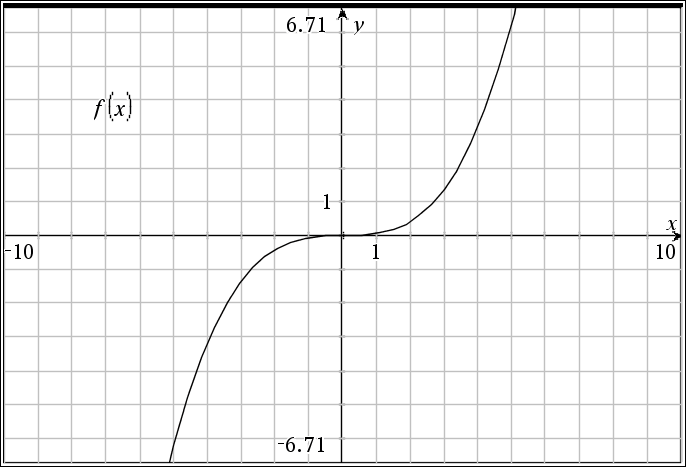
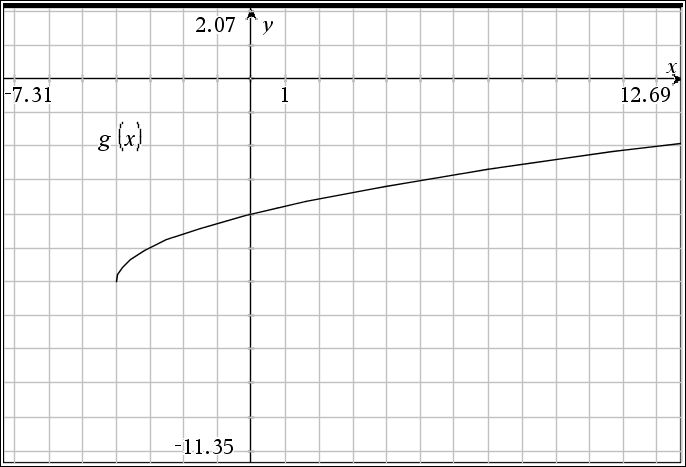
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | -5 | -3 | -2 | 1 |
| g(x) | 0 | -2 | -3 | -6 |

Use the following tables to answer questions 13-16.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| x | -5 | -3 | -2 | 1 |
| f(x) | -2 | 6 | 7 | -2 |

13. (f+g)(-2) 14. (f/g)(-3) 15. f(1) – g(1) 16. f(-5)g(-5)

Use the following graphs to answer questions 17-20.



17. (f+g)(-4) 18. (f/g)( 0) 19. f(5) – g(5) 20. f(-4)g(-4)

\*21. Evaluate the function for the given values.

J(t) = 2t2-4

a) J(-2)

b) J(x+1)

c) J(t) = 0

d) J(t) = 4